

*Each Student on Matriculation will receive a copy of the Programme of Classes and Regulations of his Faculty. Additional Copies can be obtained from the Publishers at 1d. each, or by post, 1½d.*

## University of Glasgow.

# FACULTY OF MEDICINE.

PROGRAMME OF COURSES,  
REGULATIONS FOR GRADUATION,  
AND  
BURSARIES AND PRIZES  
OPEN FOR COMPETITION.

1887-88.

GLASGOW:  
JAMES MACLEHOSE & SONS, 61 ST. VINCENT STREET,  
Publishers and Booksellers to the University.

1887.

## GLASGOW UNIVERSITY CALENDAR.

*THE Glasgow University Calendar contains a history of the University, and an account of its present constitution and government; statements regarding the various Faculties and Classes; the Regulations and Subjects of Examination for Degrees in Arts, Science, Medicine, Law, and Divinity: the questions proposed to Candidates for Degrees; the annual Graduation and Prize Lists: and the Bursaries, Scholarships, Fellowships, and other Endowments of the University.*

*It also contains an abstract of the Proceedings of the University Court, a Statement of the Annual Income and Expenditure of the University, a List of the Members of the General Council, a List of the recognized Extra-Academical Lecturers, the Regulations of the University Local Examination Board, and notices of the various Students' Societies.*

*The Calendar is published by James MacLehose & Sons, 61 St. Vincent Street, Glasgow. Price 2s. 6d., by post 3s.*

UNIVERSITY OF GLASGOW.

April, 1887.

# Programme of the Courses.

SESSION 1887-88.

The WINTER SESSION will be opened with an Introductory Discourse by PROFESSOR SIMPSON, M.A., M.D., on *Tuesday, the 25th October, 1887*, and will close on *Friday, the 30th March, 1888*.

Classes.	Hours.	Class Fee.	Professors.
ZOOLOGY, - - - -	9 a.m.	£3 3*	Prof. Young.
CLINICAL MEDICINE, - - -	9 a.m. (see p. 5)	{ Prof. M'Call Anderson, and Prof. Gairdner.	
CLINICAL SURGERY, - - -	9 a.m. (see p. 5)	{ Prof. G. Buchanan, and Prof. Macleod.	
CHEMISTRY, - - - -	10 a.m.	£3 3†	{ Prof. Ferguson.
CHEMICAL LABORATORY, - -	{ 10 a.m. to 4 p.m.	{ 10 10	{ Prof. Ferguson.
ANATOMY, Junior, - - -	2 p.m.	3 3*	{ Prof. Cleland
ANATOMY, Senior, - - -	11 a.m.	3 3*	{ and
PRACTICAL ANATOMY, 9 a.m. to 4 p.m.		3 3	{ Demonstrators.
PRACTICE OF PHYSIC, - - -	11 a.m.	3 3*	Prof. Gairdner.
MATERIA MEDICA, - - -	12 noon.	3 3*	Prof. Charteris.
INSTITUTES OF MEDICINE, - -	12 noon.	3 3*	{ Prof. M'Kendrick
PHYSIOLOGICAL LABORATORY, - - -	{ 9 a.m. to 4 p.m.	—	{ and Muirhead Demonstrator.
SURGERY, - - - -	1 p.m.	3 3*	Prof. Macleod.
MIDWIFERY, - - - -	2 p.m.	3 3*	Prof. Leishman.
PATHOLOGY, - - - -	3 p.m.	3 3*	—

The SUMMER SESSION (1888) will be opened on *1st May*, and will close on *26th July*.

Classes.	Hours.	Class Fee.	Professors.
BOTANY, - - - -	8 a.m.	£3 3*	{
BOTANICAL LABORATORY, 9 a.m. to 4 p.m.	2 2	{	Prof. Bower.
BOTANICAL DEMONSTRATIONS, — —	— —	{	
CLINICAL MEDICINE, - - -	9 a.m. (see p. 5)	{ Prof. M'Call Anderson, and Prof. Gairdner.	
CLINICAL SURGERY, - - -	9 a.m. (see p. 5)	{ Prof. G. Buchanan, and Prof. Macleod.	

\* Fee for a Second Session, £2, 2s.; for a Third Session, £1, 1s.

† Fee for a Second Session, £2, 2s.

Classes.	Hours.	Class Fee.	Professors.
PRACTICAL CHEMISTRY,	9 to 11 a.m.	£3 3	
CHEMICAL LABORATORY,	{ 10 a.m. } { to 4 p.m. }	5 5	{ Prof. Ferguson.
ORGANIC CHEMISTRY,	- - -	—	
ANATOMICAL LECTURES,	11 a.m.	2 2	{ Prof. Cleland and
PRACTICAL ANATOMY, 8 a.m. to 2 p.m.	{		Demonstrators.
FORENSIC MEDICINE,	11 a.m.	3 3*	Prof. Simpson.
ZOOLOGY LECTURES,†	12 noon,	3 3*	Prof. Young.
ZOOLOGICAL LABORATORY, 10 a.m. to 1 p.m.		3 3	Prof. Young.
PRACTICAL MATERIA MEDICA,	12 noon.	3 3*	Prof. Charteris.
PRACTICAL PHYSIOLOGY,‡	12 noon.	3 3*	{ Prof. M'Kendrick
PHYSIOLOGICAL LABORATORY,	{ 9 a.m. to } { 4 p.m. }	—	{ and Muirhead Demonstrator.
PRACTICE OF PHYSIC (Tues. and Thurs.),§	1 p.m.		Prof. Gairdner.
OPERATIVE SURGERY (Mon. Wed. Fri.),	1 p.m.	2 2	Prof. Macleod.
DISEASES OF WOMEN (Mon. Wed. Fri.),	2 p.m.	2 2	Prof. Leishman.
LECTURES ON THE EYE (Tu. and Th.),	2 p.m.	1 1	Dr. T. Reid.
INSANITY, - Wed.,	{ 12 noon (College). Sat., { 10 a.m. (Gartnavel).	2 2	Dr. Yellowlees.

In addition to the University Courses, the following Hospitals and Dispensaries afford ample means for Practical Instruction in the various departments of Medicine and Surgery :—

WESTERN INFIRMARY.—This Hospital contains 400 beds for Medical and Surgical Patients, including Wards for Skin Diseases, and one for diseases peculiar to females. *Physicians*—Professor W. T. GAIRDNER, M.D.; Professor T. M'CALL ANDERSON, M.D.; JAMES FINLAYSON, M.D.; GAVIN P. TENNENT, M.D. *Assistant Physicians*—JOSEPH COATS, M.D.; JAMES CHRISTIE, M.D.; D. C. M'VAIL, M.B. *Diseases of Women*—Professor W. LEISHMAN, M.D. *Surgeons*—Professor GEORGE H. B. MACLEOD, M.D.; Professor GEORGE BUCHANAN, M.D.; A. PATTERSON, M.D.; HECTOR C. CAMERON, M.D. *Ophthalmic Surgeon*—T. REID, M.D. *Dispensary Physicians*—SAMSON GEMMELL, M.D.; JOHN ALEXANDER, M.D.; WILLIAM G. DUN, M.D. *Out-Door*

\* Fee for a Second Session, £2, 2s.; for a Third Session, £1, 1s.

† A Course of Lectures in Zoology, qualifying for graduation, will in future be given during the Summer Session.

‡ After first Lecture, the Class will meet in three divisions, 8 to 9 a.m., 11 to 12 noon, and 12 to 1 p.m.

§ Open to all matriculated students of the University who have completed their Second Winter of medical study. This course is supplementary to the Winter course, and takes up special subjects to be announced in the Summer bills.

*Physicians-Accoucheurs*—ROBERT KIRK, M.D.; W. L. REID, M.D.; MURDOCH CAMERON, M.D. *Extra Dispensary Physicians*—R. STEVENSON THOMSON, M.B., GEORGE DICKSON, M.D. *Dispensary Surgeons*—J. C. RENTON, M.D.; GEO. T. BEATSON, M.D.; DAVID NEWMAN, M.D. *Extra Dispensary Surgeons*—A. ERNEST MAYLARD, M.B., B.S.; JAMES PARKER, M.D. *Dispensary Surgeon for Diseases of the Ear*—THOMAS BARR, M.D. *Surgeon Dentist*—JAMES R. BROWNLIE, L.D.S., R.C.S. Eng. *Pathologist*—JOSEPH COATS, M.D. *Pathological Chemist*—C. O. HAWTHORNE, M.D. *Medical Superintendent*—DR. A. W. RUSSELL. *Lady Superintendent*—MISS E. CLYDE. *Secretary*—HENRY JOHNSTON, 125 Buchanan Street. The hour of visit is 9 a.m. Operating days—Wednesday and Saturday. The Dispensary for Out-Patients is open daily at 2 p.m. Vaccination—Mondays at 1 p.m. The station is recognized by the Local Government Board. Fee £1, 1s. According to the present arrangement admission to the practice of this Infirmary is subject to the following regulations:—

1. That every student paying at the commencement of his First Year a Fee of £10, 10s., will be entitled to admission to the Infirmary, and also to attend Courses of Clinical Instruction during the Winter and Summer of said year.
2. That every student who has thus paid £10, 10s., and shall at the commencement of his Second Year pay a further Fee of £10, 10s., will have the privilege of admission to the Infirmary, and to the several courses of Clinical Instruction during his lifetime.
3. That the Fee for Hospital Attendance and Clinical Instruction for Six Months only be £7, 7s.
4. That the Fee for Hospital Attendance and Clinical Instruction for Three Months only be £4, 4s.
5. Any student who shall have paid Fees to the amount of £21, or upwards, in the payments as stated above, shall be entitled to a Ticket admitting him to the Infirmary, and to the Clinical Instruction during his lifetime.
6. There shall be two Courses of Clinical Instruction—the first extending from the beginning of November to April, and the second from the beginning of May to July.

In connection with the Western Infirmary, there is also an Outdoor Obstetrical Department. *Consulting Physician-Accoucheur*—Professor LEISHMAN, M.D. *Physicians-Accoucheurs*—W. L. REID, M.D., R. KIRK, M.D., and M. CAMERON, M.D. By paying a fee of £1, 1s., and attending Six cases, a student may obtain a certificate of attendance on Practical Midwifery qualifying him for graduation.

Students who have taken the Hospital Ticket previous to 1st October, 1876, will continue at the scale of Fees then in use, but an additional payment of £10, 10s. will make them perpetual students of the Hospital, and admit also to the Clinical Classes under the above rules.

Students who have completed their Clinical Course elsewhere shall be permitted to enter for a six months' course of the *Hospital only*, on payment of a fee of £2, 2s.

ROYAL INFIRMARY.—Hour of Visit, 9 a.m. Clinical Lectures given by the Physicians and Surgeons. Fees for Hospital attendance and Clinical Instruction—same as in the Western Infirmary.

EYE INFIRMARY, 170 Berkeley Street.—Hour of visit, 1 p.m. daily. Fee for six months, £2, 2s.; to those attending, or who have attended, the Lectures on the Eye delivered in the University, £1, 1s.

There are also Dispensaries for Diseases of the Skin and Ear, and in the Royal Lunatic Asylum, Gartnavel, Clinical Instruction in Insanity is given.

## CLASSES IN THE FACULTY OF MEDICINE.

The Faculty of Medicine embraces the classes of Practice of Medicine, Anatomy, Natural History, Surgery, Midwifery, Chemistry, Botany, Materia Medica, Institutes of Medicine, Medical Jurisprudence, Clinical Surgery, Clinical Medicine, and Pathology, on all of which attendance is required for the Degree of M.B. To this Faculty also belongs the Lectureship on Diseases of the Eye.

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### REGULATIONS FOR GRADUATION IN MEDICINE.

Three Medical Degrees are conferred by this University, viz. :—Bachelor of Medicine (M.B.) ; Master in Surgery (C.M.) ; and Doctor of Medicine (M.D.) ; all of which are recognized by the Medical Act as qualifying for practice throughout the British dominions, and for admission to the Army, Navy, and Public Medical Service.

The Degrees of Bachelor of Medicine and Master in Surgery may be obtained by Candidates of the age of 21 years who have complied with the regulations as to Education and Examination. The Degree of Master in Surgery must be taken along with the Degree of Bachelor of Medicine. The Degree of Doctor of Medicine may be conferred on Candidates of not less than 24 years of age who have obtained the Bachelorship two or more years previously, and have fulfilled certain conditions which are detailed at page 14.

Persons who began their professional studies prior to 1st October, 1861, will, on becoming Candidates for Graduation, be examined in accordance with the regulations in force at the time of the commencement of their Medical studies.

The following rules and directions apply to the Degrees of Bachelor of Medicine and Master in Surgery :—

#### A.—EXAMINATION OF MEDICAL STUDENTS IN GENERAL EDUCATION AND REGISTRATION BY THE MEDICAL COUNCIL.

The Candidate for the Degrees of Bachelor of Medicine and Master in Surgery must have been registered in the books of the

General Medical Council at least four years prior to the date of his graduation. In order to be so registered he must transmit to James Robertson, Esq., the Scottish Branch Registrar, 4 Lindsay Place (George IV. Bridge), Edinburgh, together with a printed form of application which may be obtained from the Assistant Clerk (Matriculation Office), a certificate of having passed a satisfactory Preliminary Examination in English, Latin, Arithmetic, Euclid and Algebra, and Elements of Mechanics, along with one optional subject, viz., French, German, Greek, or Logic.

The possession of a Degree in Arts, not being an Honorary Degree, exempts from Examination in General Education, provided that it has been conferred by a British University, or by such Foreign and Colonial Universities as shall have been recognized by the General Medical Council.

The Examination in General Education may be passed either in this University or at any University or Board of which the examinations are recognized by the General Medical Council as entitling to registration.\* But while a Certificate of having passed any recognized Preliminary Examination entitles to registration in the books of the General Medical Council, the University only accepts these Examinations *pro tanto*, and exacts examination in every case on such subjects required by the regulations of the University as are not embraced in the certificates presented from other Examining Boards, or which, though included therein, are not of similar extent to the same subjects as prescribed by the University. In such cases this Examination required by the University must be passed by the Candidates before admission to their First Professional Examination.

This registration in the books of the Medical Council, which is imperative on Candidates for any legal qualification to practise whatsoever, is quite distinct from Matriculation or other registration of students in the books of the University.

The following is a more detailed notice of the subjects of the Examination in General Education referred to above :—

I. **Registration Subjects.**—The Student must pass in all the subjects of this division before Registration with the Branch Registrar of the Medical Council. The subjects may be passed at one or more Examinations. For fees and dates of this Examination see page 17—

1. **ENGLISH.**—(1) Writing correctly a passage to dictation. (2) Composition of a short essay on a given theme. (3) Questions A on Grammar, with analysis of sentences and the derivation and meaning of some common English words.†

\* For a list of such Examining Boards, see p. 19.

† Questions on History and Geography do not now form part of the Examination in English.

B 2. **LATIN.**—Virgil, *Aeneid*, Book III., and Cæsar *de Bello Gallico*, Book V. Translations from the above. Translation of passages from works not prescribed, and of English passages into Latin,—the principal Latin words being supplied. Questions on Grammar and Construction.

c 3. **ARITHMETIC.**—The Common Rules, including Vulgar and Decimal Fractions.

c 4. **ELEMENTS OF MATHEMATICS.**—  
(a) Algebra (including Simple Equations), and Euclid, Book I.  
(b) Euclid, Books II. and III.\*

D 5. **ELEMENTS OF DYNAMICS (MECHANICS).**—Elementary Kinematics, Statics, Kinetics, and Hydrostatics. Text-books—Bottomley's Dynamics (Collins' Series); Blaikie's Elements of Dynamics.

6. ONE optional subject, viz., Greek, or French, or German, or Logic, as prescribed under II. (Optional subjects for M.B. and C.M.)

In addition to the above-mentioned Preliminary Examination, Candidates for the Degrees of Bachelor of Medicine and Master in Surgery are required to undergo, PREVIOUS TO THEIR FIRST PROFESSIONAL EXAMINATION (and, it is recommended, as far as possible previous to the commencement of professional study), an examination in a SECOND optional subject, viz., one of the following: Greek, French, German, Higher Mathematics, Natural Philosophy, Logic, Moral Philosophy, as detailed below.

## II. Optional Subjects for M.B. and C.M.—

E 1. **GREEK.**—*Memorabilia* of Xenophon, Book I., and the Gospel according to St. Luke. Translation of passages from works not prescribed, and of English passages into Greek—the principal Greek words being supplied. Questions on Grammar.

2. **FRENCH.**—Montesquieu's *Considérations sur les causes de la grandeur des Romains, et de leur décadence*. Translation and exercises as in the Latin and Greek.

3. **GERMAN.**—Schiller's *Wilhelm Tell*. Translation and exercises as in the other languages.

c 4. **HIGHER MATHEMATICS.**—Euclid, Books I. to VI.; Algebra, including Quadratic Equations, and the Rudiments of Trigonometry.

\* The subjects under (b) are not required for Registration; they may be passed at the same time as those under (a) or at a subsequent Examination, BUT THEY MUST BE PASSED BEFORE THE FIRST PROFESSIONAL EXAMINATION.

D 5. NATURAL PHILOSOPHY.—Part II. of Todhunter's Natural Philosophy for Beginners, viz., Sound and Heat, omitting chapters xii. xiii. in Sound, and in Heat from sec. 732 to 746.

F 6. LOGIC.—Jevons' Elementary Lessons on Logic.

G 7. MORAL PHILOSOPHY.—Herbert Spencer's Data of Ethics.

A certificate of having passed, at the Examinations for the Degree of M.A., or B.Sc., in English, Latin, Mathematics, Natural Philosophy, Greek, Logic, or Moral Philosophy, will be accepted instead of examination in the subjects marked A, B, C, D, E, F, G, respectively.

III. Subjects for Degree of M.D.—The Candidate for the degree of M.D., if not a graduate in Arts, must have passed an Examination in THREE of the subjects enumerated above in II. (optional subjects for M.B. and C.M.), of which one must be Greek, another either Logic or Moral Philosophy, and the third is left to the option of the Candidate.

#### B.—PROFESSIONAL EDUCATION.

1. *Duration and Constitution of the Curriculum.*—The professional curriculum is of four years' duration ; the medical session of each year or *Annus Medicus* being constituted by attendance on two courses of not less than 100 Lectures each, or on one such course with two three-months' courses of not less than 50 Lectures each. But in the case of the Clinical courses it is sufficient that the lectures be given twice a week during the prescribed period. Of this curriculum, if not passed wholly at the University of Glasgow, two years must be constituted by attendance on courses at a University entitled to grant degrees in Medicine ; and one of these years at least must be at the University of Glasgow. If the remaining years are not passed at a recognized University, attendance during at least six winter months on the Medical and Surgical Practice of a General Hospital which accommodates not fewer than 80 patients, with a Course of Practical Anatomy during the same period, may be reckoned one *Annus Medicus* ; while another may be constituted by attendance for the requisite period on the lectures of Teachers of Medicine in the Hospital Schools of London, or in the School of the College of Surgeons, Dublin, or of such private teachers as may be recognized by the University Court with the consent of the Chancellor of the University. But attendance on lectures by such teachers is not recognized to the extent of more than four

of the departments of Medical Study required for the curriculum and enumerated below.\*

Candidates who avail themselves of the permission to attend the lectures of private teachers recognized for the purpose, and who are not at the time matriculated students of the University, must, at the commencement of the year of such attendance, enrol their names in a book kept by the University for that purpose, and pay a fee of one-half the amount of the matriculation fee paid by students of the University; but they are not thereby entitled to any of the privileges of matriculated students of the University. Further, those who attend the lectures of such recognized private teachers must, if the courses are held in a University town, pay to such teachers the same fees as are paid in the University of such town. (*The fees must be paid at the commencement of the course.*)

2. *Required Courses of Instruction.*—Candidates must produce certificates of having attended courses of instruction in the following departments of Medicine, in the manner specified :—

ANATOMY, CHEMISTRY, INSTITUTES OF MEDICINE OR PHYSIOLOGY.

MATERIA MEDICA and PHARMACY, SURGERY, PRACTICE OF MEDICINE.

MIDWIFERY and DISEASES OF WOMEN and CHILDREN.†

Each of the above in a course of not less than 100 lectures.

BOTANY, ZOOLOGY (with COMPARATIVE ANATOMY), FORENSIC MEDICINE.

Each of the above in a course of not less than 50 lectures.

GENERAL PATHOLOGY, in a course of not less than 100 lectures; or in schools where there is no such course, PATHOLOGICAL ANATOMY, in a three months' course of lectures, with a supplemental course either of Practice of Medicine or of Clinical Medicine.

CLINICAL SURGERY, CLINICAL MEDICINE.

Each in a six months' course or in 2 three months' courses—  
Lectures being given at least twice a week.

PRACTICAL ANATOMY, during six months.

PRACTICAL CHEMISTRY, during three months.

\* In Provincial Medical Schools where there are no Lecturers recognized by the University Court, a Candidate can complete only one *Annus Medicus*, constituted by attendance at a General Hospital accommodating not fewer than 80 patients, along with a course of Practical Anatomy.

† Two courses of Midwifery, of fifty lectures each, are reckoned equivalent to one course of one hundred lectures, provided they embrace different departments of Obstetric Medicine.

PRACTICAL PHARMACY,\* in a course of not less than 50 hours instruction in a class of Practical Materia Medica in a University, or other recognized school, or conducted by a teacher recognized by the University Court, or in Compounding and Dispensing Drugs in the Laboratory of a Hospital or Dispensary, of a Registered Medical Practitioner, or of a Member of the Pharmaceutical Society of Great Britain.

HOSPITAL PRACTICE, SURGICAL AND MEDICAL; consisting in attendance during two years at a recognized General Hospital which accommodates not fewer than eighty Patients, and possesses a distinct staff of Physicians and Surgeons.

OUT-DOOR PRACTICE, during six months, at a Hospital or Dispensary, or with a Registered Medical Practitioner.

PRACTICAL MIDWIFERY; consisting in attendance during three months, at an Obstetric Hospital, or attendance on at least six cases of labour, certified by a Registered Medical Practitioner, or by the Physician-Accoucheur of an hospital having an Obstetrical Department.

VACCINATION.—The candidate must produce a certificate from a recognized Vaccination department in an Hospital, Dispensary, or other public institution, that he has performed the operation successfully under the teacher's supervision; that he is familiar with the different stages of the vaccine vesicle, and with the mode of preserving lymph, and is generally well instructed in the subject.†

#### C.—PROFESSIONAL EXAMINATIONS.

By orders of Her Majesty in Council, dated 13th August, 1877, 23rd August, 1883, 27th January, 1885, and 26th March, 1885, the following are the arrangements for Professional Examinations:—

1. Every candidate for the Degrees of Bachelor of Medicine and Master in Surgery shall be examined both in writing and *viva voce*, First, on Chemistry, Botany, and Natural History; Second, on Anatomy and Physiology; Third, on Regional Anatomy, and Materia Medica and Pharmacy; and Fourth,

\* Students are recommended to take the class of Pharmacology and Practical Pharmacy in the summer before their attendance on the course of Materia Medica; but attendance on such a course cannot be substituted for attendance on the course of systematic Lectures on Materia Medica, which must be taken before the third Professional Examination, new regulations.

† The recognized Vaccine Departments in Glasgow are—Western Infirmary, Royal Infirmary, and Faculty of Physicians and Surgeons.

on Surgery, Clinical Surgery, Medicine, Clinical Medicine, Pathology, Midwifery, and Medical Jurisprudence. The Examination in Chemistry shall include Practical Chemistry; and the Examinations in Anatomy and Physiology shall include Practical Anatomy, Histology, and Practical Physiology; and the Examination in Surgery shall include Operative Surgery.

2. Students may appear for examination in the first of the foregoing divisions of subjects who have completed their attendance on the required courses during one winter and one summer session: provided always that students shall not be admitted to such examination at an earlier date than the period of examination immediately preceding their second winter session of professional study; and that students who commenced their medical studies in the summer session shall not be admitted to a degree in medicine unless their course of study, subsequent to the completion of the summer session in which they commenced their medical studies, shall not be less than the minimum course of four years prescribed by this Ordinance.
3. Students who have passed the first examination may appear for examination in the second division of subjects, after having completed their attendance on the requisite courses (including those of the subjects of examination) after the lapse of two winter and three summer sessions from the time of the commencement of their studies; provided always that students who have commenced their medical studies with a winter session may appear for examination in the second division of subjects after the lapse of two winter and two summer sessions from the time of the commencement of their studies.
4. Students who have passed the two previous examinations may appear for examination in the third division of subjects at any of the terms fixed for examination by the Senate, after the conclusion of the third winter session of attendance upon Medical Classes (including those of the required subjects).
5. Students who have passed the examinations in the subjects of the three previous divisions may appear for examination in the subjects of the fourth division at the first term for the final examination after the conclusion of their Curriculum of study.

In addition, the following regulations will be observed:—

1. The examinations will be conducted by written papers and by oral examinations. A practical knowledge of the subject is also required.

2. Candidates must produce certificates of satisfactory attendance on the courses belonging to each division before presenting themselves for these examinations, and no candidate is allowed to present himself for the Second, Third, or Fourth examination without having passed the immediately preceding examination.
3. Previous to appearing for the final examination the candidate must produce a certificate that he is 21 years of age, or will be so on or before the day of his graduation.
4. At the professional examinations, candidates will as far as possible be examined orally in the alphabetical order of their surnames.
5. Candidates who shall, on examination, be found unqualified, cannot be again admitted to examination until they shall have completed another year of study, or such portion of a year as may be fixed by the examiners.

The examinations are conducted by the Professors of the Faculty of Medicine, together with the other Examiners appointed by the University Court.

For Table of Fees and dates of examinations see page 17.

#### D.—DEGREE OF DOCTOR OF MEDICINE.

The Degree of Doctor of Medicine may be conferred on any candidate who shall produce evidence: *a*, that he is of not less than 24 years of age; *b*, that he has obtained the Bachelorship two or more years previously; *c*, that he possesses a Degree in Arts, or has passed an examination in Greek, and Logic or Moral Philosophy, together with any one of the other optional subjects included in the Second Part of the subjects of General Education; *d*, that he has been engaged in professional study or avocation for two years after having obtained the Bachelorship. He must also lodge an Inaugural Dissertation, certified by him to have been composed by himself, on any subject included in the branches of knowledge embraced in the professional curriculum.\* Theses for the degree of M.D. must be lodged with the Assistant Clerk (Matriculation Office), on or before 20th March, 20th June, or 20th October. No Thesis will be approved unless it gives evidence of original observation, or, if it deal with the researches of others, gives a

\* Candidates are requested to have their Theses bound before sending them in.

full statement of the literature of the question, with accurate references and critical investigation of the views or facts cited : mere compilations will in no case be accepted. The fees for the Degree of M.D. amount to £15 8s. (including the sum of £10 for Government stamp).

#### E.--REGULATIONS FOR OBTAINING A QUALIFICATION IN PUBLIC HEALTH.

A special Examination will be held once in every year in subjects relating to Public Health, and will commence on the third Tuesday in October. All candidates for this qualification must be Registered Medical Practitioners.

Candidates must produce evidence that, either during their Medical studies or subsequently, they have attended a Course of Lectures in which special instruction was given on Public Health, and that they have attended a Course of Analytical Chemistry specially bearing upon the subjects of examination. Candidates who have not passed an *Annus Medicus* in the University of Glasgow must, before presenting themselves for examination, have attended as Matriculated Students in this University at least two Courses of instruction, scientific or professional, bearing on the subjects of the examination. The examinations shall be written, oral, and practical.

The fee for this examination shall be Five Guineas. No candidate shall be admitted to examination unless he shall have given notice of his intention to the Assistant Clerk (Matriculation Office), and paid the required fee, at least One Calendar Month previous to the examination.

If, after payment of the fee, a candidate withdraw his name, or fail to present himself at the examination, or fail to pass it, the fee shall not be returned to him, but he shall be allowed to enter for *one* subsequent examination in subjects relating to Public Health without the payment of an additional fee.

The examination for the qualification in Public Health shall embrace the following subjects:—

Duties of Health Officer. Air and Ventilation. Food and its Adulterations. Water and Water Supply. Sewerage and Drainage. Construction of Hospitals, Public Buildings, and Dwellings. Over-crowding. Manufactories. Insalubrious Trades. Cemeteries. Nuisances. Quarantine. Disinfectants and Deodorizers. Outbreaks of Zymotic Diseases. Climate, Topographical and Seasonal ; its influences in relation to Health and Disease. Geographical Distribution of Diseases. Knowledge of leading Sanitary Acts of Parliament. Vital Statistics.

The following are recommended as books for study :—

E. Parkes, *Practical Hygiene*; George Wilson, *Handbook of Hygiene*; A. H. Hassal, *On Food and its Adulterations*.

N.B.—Lectures on Public Health will be delivered in this University during each Summer Session.

Further information with regard to the Lectures on Public Health and the Examinations for the Qualification may be obtained from DR. P. A. SIMPSON, Professor of Medical Jurisprudence, University of Glasgow.

F.—TABLE OF EXAMINATIONS FOR DEGREES IN MEDICINE TO BE HELD DURING SESSION 1887-8.

Examination.	Names to be given in and Fees paid to Assistant Clerk (Matriculation Office). Date.*	Fees.	Dates of Written Examinations and Hours at which the different Papers will be set. Printed Schedules with detailed instructions for filling up may be obtained from the Assistant Clerk (Matriculation Office). The Professional Oral Examinations follow immediately after the Written.
General Education, 22nd Sept., 1887,	£0 10 0†		Wed., 5th Oct., 1887, Arithmetic, 9—11 a.m. Latin, 12—2 p.m. English, 3—5 p.m. Thur., 6th " Elementary Mathematics, " Mechanics, " French, " Fri., 7th " Greek, " Logic, " Moral Philosophy, " Sat., 8th " Higher Mathematics, " Natural Philosophy, " German, "
First Professional, 20th Sept., 1887,	5 5 0		Monday, 10th October, 1887, Zoology at 10 a.m. Botany at 12.30 p.m. Chemistry at 3 p.m. Tuesday, 11th " Practical Chemistry at 10 a.m., 12 noon, and 2 p.m.
Second Professional, 20th Sept., 1887,	5 5 0		Wednesday, 12th " Physiology at 12.30 p.m. Anatomy at 3 p.m.
Third Professional, 20th Sept., 1887,	5 5 0		Wednesday, 28th Mar., 1888, Arithmetic, 9—11 a.m. Latin, 12—2 p.m. English, 3—5 p.m. Thursday, 29th " Elementary Mathematics, " Mechanics, " French, " Friday, 30th " Greek, " Logic, " Moral Philosophy, " Saturday, 31st " Higher Mathematics, " Natural Philosophy, " German, "
General Education, 14th March, 1888,	0 10 0†		Friday, 6th April, Zoology at 10 a.m. Botany at 12.30 p.m. Chemistry at 3 p.m. Saturday, 7th " Practical Chemistry at 10 a.m., 12 noon, and 2 p.m.
First Professional, 12th March, 1888,	5 5 0		Saturday, 7th " Physiology at 12.30 p.m. Anatomy at 3 p.m.
Second Professional, 12th March, 1888,	5 5 0		Monday, 9th " Regional Anatomy at 10 a.m. Materia Medica at 12.30 p.m. Pathology at 3 p.m.
Third Professional, 12th March, 1888,	5 5 0		(Fri., 1st June, <i>Clinical Examinations begin</i> ). Tues., 10th July, <i>(Operative Surgery Examination begins)</i> . Monday, 9th July, Materia Medica at 10 a.m. Forensic Medicine at 1 p.m.
Fourth Professional, 22nd May, 1888,	5 5 0		Tuesday, 10th July, Practice of Medicine " Pathology, " Wednesday, 11th July, Surgery " Midwifery, " Thursday, 12th July, Zoology at 10 a.m. Botany at 12.30 p.m. Chemistry at 3 p.m. (Friday, 13th " Practical Chemistry at 10 a.m., 12 noon, and 2 p.m.
First Professional, 2nd July, 1888,	5 5 0		Friday, 13th " Physiology at 12.30 p.m. Anatomy at 3 p.m.
Second Professional, 2nd July, 1888,	5 5 0		Saturday, 14th " Regional Anatomy at 10 a.m. Materia Medica at 12.30 p.m. Pathology at 3 p.m.
Third Professional,			

\* When Names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the Candidate can be admitted to examination. A Candidate is not held to be entered for the examination until his Name is entered, the Fee paid, and all the necessary Certificates, etc., lodged.  
† Payable by Candidates who, at the date of their first enrolment for the Examination, are not Matriculated Students of the University.

## G.—GRADUATION.

The terms for conferring Medical and Surgical Degrees are 1st May, 31st July, and second last Thursday of November.

In accordance with the Promissory Oaths Act, 1868, a Declaration in the following English form is now substituted for the Latin Oath, or Sponsio Academica, formerly required to be taken and subscribed by every Candidate on Graduation :—

I do solemnly and sincerely declare, that, as a Graduate in Medicine of the University of Glasgow, I will exercise the several parts of my profession, to the best of my knowledge and abilities, for the good, safety, and welfare of all persons committing themselves, or committed to my care and direction ; and that I will not knowingly or intentionally do anything or administer anything to them to their hurt or prejudice, for any consideration, or from any motive whatever. And I further declare, that I will keep silence as to anything I have seen or heard while visiting the sick which it would be improper to divulge. And I make this solemn declaration in virtue of the Provisions of the Promissory Oaths Act, 1868, substituting a Declaration for Oaths in certain cases.

LIST OF EXAMINING BODIES WHOSE EXAMINATIONS  
FULFIL THE CONDITIONS OF THE MEDICAL COUNCIL  
AS REGARDS PRELIMINARY EDUCATION.

N.B.—The Certificates of these Bodies admit to matriculation and study in the University of Glasgow ; but Candidates for Degrees must conform to the regulations of the University as laid down under A, page 7.

*I.—Universities in the United Kingdom.*

UNIVERSITY OF OXFORD.—(1) Junior Local Examinations ; Certificate to include Latin and Mathematics, and also one of the following optional subjects :—Greek, French, German. (2) Senior Local Examinations ; Certificate to include Latin and Mathematics. (3) Responsions. (4) Moderations. (5) Examination for a Degree in Arts.

UNIVERSITY OF CAMBRIDGE.—(6) Junior Local Examinations ; Certificate to include Latin and Mathematics, and also one of the following optional subjects :—Greek, French, German, (7) Senior Local Examinations ; Certificate to include Latin and Mathematics. (8) Higher Local Examinations. (9) Previous Examination. (10) Examination for a Degree in Arts.

UNIVERSITY OF DURHAM.—(11) Examination for Certificate of Proficiency. (12) Examination for Students at the end of their first year. (13) Examination for a Degree in Arts.

UNIVERSITY OF LONDON—(14) Matriculation Examination. (15) Preliminary Scientific (M.B.) Examination. (16) Examination for a Degree in Arts or Science.

VICTORIA UNIVERSITY.—(17) Preliminary Examination ; Latin to be one of the subjects. (18) Entrance Examination in Arts, to include all the subjects required.

UNIVERSITY OF EDINBURGH.—(19) Local Examinations (Junior Certificate) ; Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects :—Greek, French, German. (20) Local Examinations (Senior Certificate) ; Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects :—Greek, French, German. (21) Preliminary Examination for Graduation in Science or Medicine and Surgery. (22) Examination for a Degree in Arts.

UNIVERSITY OF ABERDEEN.—(23) Local Examinations (Junior Certificate) ; Certificate to include all the subjects required. (24) Local Examinations (Senior Certificate) ; Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects :—Greek, French,

German. (25) Preliminary Examination for Graduation in Medicine or Surgery. (26) Examination for a Degree in Arts.

UNIVERSITY OF GLASGOW.—(27) Local Examinations (Junior Certificate); Certificate to include all the subjects required. (28) Local Examinations (Senior Certificate); Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects:—Greek, French, German. (29) Preliminary Examination for Graduation in Medicine or Surgery. (30) Examination for a Degree in Arts.

UNIVERSITY OF ST. ANDREWS.—(31) Local Examinations (Senior Certificate); Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects:—Greek, French, German. (32) Local Examinations (Junior Certificate), to include all the subjects required. (33) Preliminary Examination for Graduation in Medicine or Surgery. (34) Examination for a Degree in Arts.

UNIVERSITY OF DUBLIN.—(35) Public Entrantee Examination. (36) General Examination at end of Senior Freshman year. (37) Examination for a Degree in Arts.

QUEEN'S UNIVERSITY IN IRELAND.—(38) Local Examinations for Men and Women; Certificate to include all the subjects required by the General Medical Council. (39) Entrantee or Matriculation Examination. (40) Previous Examination for B.A. Degree. (41) Examination for a Degree in Arts.

ROYAL UNIVERSITY OF IRELAND.—(42) Matriculation Examination.

OXFORD AND CAMBRIDGE SCHOOLS' EXAMINATION BOARD.—(43) Certificate to include the following subjects, an adequate knowledge of English Grammar and Orthography, as shown in the course of the Examination, to the satisfaction of the Examiners, being held as conforming to the requirements of the Medical Council in regard to those subjects:—Arithmetic, including Vulgar and Decimal Fractions; Algebra, including Simple Equations; Geometry, including the first two books of Euclid; Latin, including Translation and Grammar. Also one of these optional subjects:—Greek, French, German.

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*II.—Other Bodies named in Schedule (A) to the MEDICAL ACT.*

APOTHECARIES' SOCIETY OF LONDON.—(44) Examination in Arts.

ROYAL COLLEGES OF PHYSICIANS AND SURGEONS OF EDINBURGH.—(45) Preliminary (combined) Examination in General Education.

FACULTY OF PHYSICIANS AND SURGEONS OF GLASGOW.—(46) Preliminary Examination in General Education.

ROYAL COLLEGE OF SURGEONS IN IRELAND.—(47) Preliminary Examination; Certificate to include Mathematics.

*III.—Examining Bodies, in the United Kingdom, not included in Schedule (A) to the MEDICAL ACT (1858).*

COLLEGE OF PRECEPTORS.—(48) Examination for a First-Class Certificate, or Second-Class Certificate of First or Second Division, Algebra, Geometry, Latin, and a Modern Language, having been taken.

QUEEN'S COLLEGE, BELFAST.—(49) Matriculation Examination.

QUEEN'S COLLEGE, CORK.—(50) Matriculation Examination.

QUEEN'S COLLEGE, GALWAY.—(51) Matriculation Examination.

INTERMEDIATE EDUCATION BOARD OF IRELAND.—(52) Junior Grade Examination. (53) Middle Grade Examination. (54) Senior Grade Examination. Certificate in each case to include all the subjects required.

ST. DAVID'S COLLEGE, LAMPETER.—(55) Responsions Examination, to include all the subjects required.

EDUCATIONAL INSTITUTE OF SCOTLAND.—(56) Preliminary Medical Examination.

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*IV.—Indian, Colonial, and Foreign Universities and Colleges.*

UNIVERSITY OF CALCUTTA.—(57) Entrance Examination ; Certificate to include Latin.

UNIVERSITY OF MADRAS.—(58) Entrance Examination ; Certificate to include Latin.

UNIVERSITY OF BOMBAY.—(59) Entrance Examination ; Certificate to include Latin.

CEYLON MEDICAL COLLEGE.—(60) Preliminary Examination (Primary Class).

UNIVERSITY OF M'GILL COLLEGE, MONTREAL.—(61) Matriculation Examination.

UNIVERSITY OF BISHOP'S COLLEGE, MONTREAL.—(62) Matriculation Examination.

UNIVERSITY OF TORONTO.—(63) Matriculation Examination.

UNIVERSITY OF TRINITY COLLEGE, TORONTO.—(64) Matriculation Examination.

UNIVERSITY OF QUEEN'S COLLEGE, KINGSTON.—(65) Matriculation Examination.

UNIVERSITY OF VICTORIA COLLEGE, UPPER CANADA.—(66) Matriculation Examination.

UNIVERSITY OF MANITOBA.—(67) Previous Examination.

UNIVERSITY OF FREDERICTON, NEW BRUNSWICK.—(68) Matriculation Examination.

UNIVERSITY OF KING'S COLLEGE, NOVA SCOTIA.—(69) Matriculation Examination. (70) Responsions.

UNIVERSITY OF HALIFAX, NOVA SCOTIA.—(71) Matriculation Examination.

DALHOUSIE COLLEGE AND UNIVERSITY, HALIFAX, NOVA SCOTIA.—(72) Matriculation and Sessional Examination.

UNIVERSITY OF CALIFORNIA.—(73) Examination in department of Letters.

UNIVERSITY OF MELBOURNE.—(74) Matriculation Examination.

UNIVERSITY OF SYDNEY.—(75) Matriculation Examination.

UNIVERSITY OF ADELAIDE.—(76) Matriculation Examination.

TASMANIAN COUNCIL OF EDUCATION.—(77) Examination for the Degree of Associate of Arts; Certificate to include Latin and Mathematics.

UNIVERSITY OF THE CAPE OF GOOD HOPE.—(78) Matriculation Examination. (79) Examination for a Degree in Arts.

UNIVERSITY OF OTAGO.—(80) Preliminary Examination.

UNIVERSITY OF NEW ZEALAND.—(81) Entrance Examination.

CHRIST'S COLLEGE, CANTERBURY, NEW ZEALAND.—(82) Voluntary Examinations. Certificate to include all subjects required.

CODRINGTON COLLEGE, BARBADOES.—(83) English Certificate for Students of two years' standing, and Latin Certificate or "Testamur."

GERMANY AND OTHER CONTINENTAL COUNTRIES.—(84) Gymnasial Abiturienten-Examen, and other corresponding Entrance Examinations to the Universities.

GYMNASIA OF THE CIRCUIT OF DORPAT.—(85) Examinations of Maturity.

BURSARIES IN CONNECTION WITH THE FACULTY  
OF MEDICINE.

BURSARIES IN THE FACULTY OF MEDICINE.

Foundation.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
Brisbane, - - - - -	1	4	£45
Davidson, - - - - -	1	3	£35
Malcolm Kerr (Chem.), - - - - -	1	3	£18
Logan, - - - - -	1	4	£15
Lorimer, - - - - -	4	3	£25 & £18
Macarthur, - - - - -	1	2	£20
Macfarlane, - - - - -	1	3	£40
Marshall, - - - - -	1	4	£17
Merchants' House, - - - - -	2	4	£25
Monteith, John, - - - - -	2	2	£18
Rainy, - - - - -	2	2	£20
Walton, - - - - -	1	4	£36
Weir, Andrew, - - - - -	1	1	£18

BURSARIES IN THE FACULTIES OF ARTS, LAW, OR MEDICINE.

Macdonald, - - - - -	2	4	£16
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BURSARIES IN THE FACULTIES OF THEOLOGY, LAW, OR MEDICINE.

Armagh, - - - - -	3	3	£25
Old Library, - - - - -	1	4	£11 2s. 2 <sup>3</sup> d.

PRIZES IN THE FACULTY OF MEDICINE.

Senior Arnott Prize, - - - - -	£25 awarded annually.
Junior Arnott Prize, - - - - -	£15     ,     ,     ,
Brunton Memorial Prize, - - - - -	£10     ,     ,     ,
Dobbie-Smith Gold Medal, - - - - -	,,     ,     , biennially.
John Reid Prize, £25 tenable for one or more years.	

The following Bursaries, Fellowships, and Scholarships are also tenable by Students of Medicine:—Denny Bursaries, John Gibson Bursaries, James Ferguson Bursaries, George A. Clark Scholarships, John Clark (Mile-end) Scholarships, Eglinton Fellowships, William Euing Fellowships, Luke Fellowship, and Scott Scholarship. (*See University Calendar.*)

BURSARIES AND PRIZES IN MEDICINE,

*Open to competition during Session 1887-88.*

1. *Malcolm Kerr Bursary.* annual value £18. tenable for three years by students of Chemistry.

2 and 3. *Two Lorimer Bursaries*, annual value £18 each, tenable for three years, open to medical students entering on their second session.

4. *Macfarlane Bursary*, annual value about £40, tenable for three years, open to medical students entering on their second session.

5. *Rainy Bursary*, annual value £20, tenable for two years, open to students entering on their third session of medical study.

6. *Merchants' House Bursary*, annual value £25, tenable for four years, open to students entering on their first session of medical study.

7. *John Monteith Bursary*, annual value about £18, tenable for two years, will be awarded in November to the student who gains the highest number of marks in Anatomy and Physiology in April and October, 1887.

8. *Andrew Weir Bursary*, annual value £18, tenable for one year, will be awarded in November to the student who gains the highest aggregate of marks in the Second and Third Professional Examinations immediately preceding.

9. *Junior Arnott Prize*, of about £15, open to students of the first and second years of their medical studies.

10. *Senior Arnott Prize* of £25, open to students of the third and fourth year of their medical studies.

11. *Brunton Memorial Prize* of about £10 is given to the most distinguished graduate in medicine of the year.

12. *Dobbie-Smith Gold Medal* for the best Essay on any branch of Plant Pathology. (See *University Calendar*.)

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#### DATES OF EXAMINATIONS.

The Examinations for the Bursaries Nos. 1 to 5, in the above list, will be held on Monday and Tuesday, 10th and 11th October, at ten a.m. each day; for No. 6, on Tuesday, 25th October, and three following days; and for the Prizes Nos. 9 and 10, on Saturday, 5th November, at two p.m.

#### DATES FOR SENDING IN APPLICATIONS.

Candidates for the Bursaries Nos. 1 to 6, and for Prizes Nos. 9 and 10, are required to give in their names to the Assistant Clerk (Matriculation Office) not later than 1st October; candidates for No. 6 must, besides, give in their names to the Clerk of the Merchants' House not later than 1st October.